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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/024,778	12/20/2001	Dongge Li	US 010693	4298
24737	7590	09/09/2004	EXAMINER	
PHILIPS INTELLECTUAL PROPERTY & STANDARDS P.O. BOX 3001 BRIARCLIFF MANOR, NY 10510			NGUYEN, CAO H	
			ART UNIT	PAPER NUMBER
			2173	
DATE MAILED: 09/09/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/024,778

Applicant(s)

LI ET AL.

Examiner

Cao (Kevin) Nguyen

Art Unit

2173

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12/20/04.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-36 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-36 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|---|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date <u>03/25/04</u> . | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-36 are rejected under 35 U.S.C. 102(e) as being anticipated by (US Patent No. 6,411,337).

Regarding claim 1, Cove discloses a content visualization system for rendering a visual summary of content received from a first content source, comprising a memory device for receiving and storing content from a first content source [graphical user interface for presentation and selection of functions include a TV, a settop box and video recorder; see col. 3, lines 1-13]; a content analyzer constructed to analyze the content and to identify one or more features in the content [functions representations which indicates the user's navigation through and selection of functions that are represented in the display; see col. 4, lines 1-15]; a visualization engine constructed to generate a signal corresponding to render a visual representation of the content characterized by the identified features [..displaying in the spherical function menu, one or more function representations, each function representation identifying a function; see col. 10, lines 47-52]; and a display device constructed to display the visual representation (see col. 10, lines 11-45).

Regarding claim 2, Cove discloses further comprising a content augments for retrieving supplemental information related to the features of the content from a second content source and wherein the visualization engine renders a second signal corresponding to the visual representation of the content based on both the identified features and the supplemental information (see col. 7, lines 19-42 and figures 7A-7C).

Regarding claim 3, Cove discloses further comprising a stored user profile and wherein the visualization engine renders the visual representation of the content based on both the identified features and the user profile (..selection and configuration of functions and features related to a selected function are provided by display and navigation through one or more submenu; see abstract] .

Regarding claim 4, Cove discloses wherein the visual representation of a multi-dimensional object (see figures 5-6).

Regarding claim 5, Cove discloses, wherein the multi-dimensional object of the visual representation includes at least two-dimensions (see figures 7A-7D).

Regarding claim 6, Cove discloses wherein the multi-dimensional object of the visual representation includes at least one dimension for each of the identified features (see figures 2-3).

Regarding claim 7, Cove discloses wherein one of the identified features measures the prevalence of action scenes in the content (see col. 4, lines 16-63).

Regarding claim 8, Cove discloses wherein one of the identified features is an identity of person (see col. 6, lines 16-51).

Regarding claim 9, Cove discloses, wherein one of the extracted features corresponds to a prevalence of music in the content (see figures 9A-9J).

Regarding claim 10, Cove discloses, wherein the visual representation is a three-dimensional axis and wherein different identified features correspond to different axis of the content are represented by a graphical object (see figures 4-6).

Regarding claim 11, Cove discloses, wherein the positioning of the graphical object relates to the prevalence of the identified feature.

As claims 11-27 are analyzed as previously discussed with respected to claims 2-11 above.

Regarding claim 28, Cove discloses method of rendering a visual summary of a program, the method comprising receiving video content corresponding to a program from an external source; analyzing the video content to identify and extract features from the video content; calculating a level for each of the features extracted from the video content based on the prevalence of the features in the video content; rendering a visual summary according to the calculated level for each of the extracted features, and displaying the visual summary (see col. 6-7, lines 1-67).

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Regarding claims 29 and 30, Cove discloses, wherein the level for each of the features is calculated by continuously monitoring an intensity of a presence of the feature in the video content (see col. 8, lines 1-25).

Regarding claim 31, Cove discloses wherein the person is identified by extracting faces, speech, and text from the video content, making a first match of known faces to the extracted faces, making a second match of known voices to the extracted voices, scanning the extracted text to make a third match to known names, and calculating a probability of a particular person being present in the video source based on the first, second, and third matches (see col. 5, lines 8-67 and figures 2-5).

As claims 32-36 are analyzed as previously discussed with respect to claims 28-31 above.

Conclusion

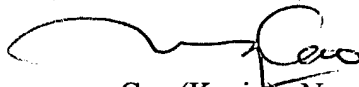
The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. (see PTO-892).

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Cao (Kevin) Nguyen whose telephone number is (703)305-3972. The examiner can normally be reached on 8:30AM-5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, John Cabeca can be reached on (703)308-3116. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A handwritten signature in black ink, appearing to read 'Cao', with a long horizontal flourish extending to the left.

Cao (Kevin) Nguyen
Primary Examiner
Art Unit 2173

09/02/04